

total alkalinity

Standard Test

1. Rinse the **total alkalinity viewing tube** with pool water.
2. Fill the **total alkalinity viewing tube** to the mark indicated (lower line).
3. Add two drops of the **total alkalinity buffer**, and mix well. Replace the lid on the reagent immediately to extend the life of your kit.
Note: if your Free Chlorine (FC) level is very high, use additional total alkalinity buffer to neutralize the FC.
4. Add four drops of the **total alkalinity detection reagent** and mix well. The solution should now be green or blue. Replace the lid on the reagent immediately to extend the life of your kit.
Note: If the solution is a red, yellow, or pink colour, then you may stop the test here, as your TA is 0.
5. One drop at a time, add the **total alkalinity titrating reagent**. Mix between each drop, and count the total number of drops added until the colour changes (usually to red, but possibly also pink, yellow, or clear). If you are unsure whether the colour change is complete, add one more drop – if there are no more changes, don't count the extra drop in your total.
6. Multiply the number of drops by 25 to get your TA level in parts per million (ppm).
7. Dispose of the sample safely. Do not pour the sample and chemicals back into the pool, instead pour down the sink with some running water.
8. Rinse the sample tube with tap water and store the kit in a cool, dark, and dry place.

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High Sensitivity Test

1. Rinse the **total alkalinity viewing tube** with pool water.
2. Fill the **total alkalinity viewing tube** to the high sensitivity test line (upper line).
3. Add three drops of the **total alkalinity buffer**, and mix well. Replace the lid on the reagent immediately to extend the life of your kit.
Note: if your Free Chlorine (FC) level is very high, use additional total alkalinity buffer to neutralize the FC.
4. Add seven drops of the **total alkalinity detection reagent** and mix well. The solution should now be green or blue. Replace the lid on the reagent immediately to extend the life of your kit.
Note: If the solution is a red, yellow, or pink colour, then you may stop the test here, as your TA is 0.
5. One drop at a time, add the **total alkalinity titrating reagent**. Mix between each drop, and count the total number of drops added until the colour changes (usually to red, but possibly also pink, yellow, or clear). If you are unsure whether the colour change is complete, add one more drop – if there are no more changes, don't count the extra drop in your total.
6. Multiply the number of drops by 10 to get your TA level in parts per million (ppm).
7. Dispose of the sample safely. Do not pour the sample and chemicals back into the pool, instead pour down the sink with some running water.
8. Rinse the sample tube with tap water and store the kit in a cool, dark, and dry place.

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